GENERAL INFORMATION
* GRADING PERMIT APPLICATION NUMBER = _____
* EARTHWORK VOLUMES cut=1,707 cyds fill =1,707 cyds
Overexcavation/Alluvial removal & Compaction = XXX cyds
Import/Export = 0 cyds
* TOTAL DISTURBED AREA = 1.242 ACRES
* TOTAL PROPOSED LANDSCAPE AREA = X.XXXX ACRES (XXXX SQ.FT.)
* TOTAL TURF AREA ____% (PERCENT OF TOTAL PROPOSED LANDSCAPING)
* TOTAL DROUGHT TOLERANT LANDSCAPING AREA ____% (PERCENT OF TOTAL PROPOSED LANDSCAPING)
* PRE-DEVELOPMENT IMPERVIOUS AREA = X.XXX ACRES
* POST DEVELOPMENT IMPERVIOUS AREA = X.XXX ACRES
* WASTE DISCHARGE IDENTIFICATION NUMBER: WDID# N/A
* CONSTRUCTION & DEMOLITION DEBRIS RECYCLING AND REUSE PLAN RRP No. _____
* GPS COORDINATES OF INFILTRATION BASIN: LATITUDE: XX.XXX, LONGITUDE: -XXX.XXX

PROPERTY INFORMATION
* PROPERTY ADDRESS = 33528 MULLHOLLAND HIGHWAY, MALIBU, CA, 90265
* PARCEL 12 OF TRACT NO. 8632-8634
* PROPERTY OWNER = EVERETT & DEANNE ROLLINS
* APN = 4472-009-012

ZONING AND REGIONAL PLANNING INFORMATION
* PROPERTY ZONING = R-C-40
* INTENDED LAND USE = XX
* CERTIFICATE OF COMPLIANCE: CC NO. 9059
* PLOT PLAN NUMBER: PP NO. _____
* CONDITIONAL USE PERMIT: CUP NO. N/A
* OAK TREE PERMIT NUMBER: OTP NO. N/A
* COMMUNITY STANDARDS DISTRICT:
* CALIFORNIA COASTAL COMMISSION AREA: N/A
* COASTAL DEVELOPMENT PERMIT: WAIVER No. N/A
* FISH & GAMES, ARMY CORP OF ENGINEERS, REGIONAL WATER CONTROL BOARD, AQMD & OTHER AGENCY PERMITS SHOULD BE ADDED AS APPLICABLE.: FISH & GAMES LAKE OR STREAM BED ALTERATION NO N/A

GENERAL NOTES:
1. All grading and construction shall conform to the 2014 County of Los Angeles Building Codes and the State Model Water Efficiency Landscape Ordinance unless specifically noted on these plans.

2. Any modifications of or changes to approved grading plans must be approved by the Building Official.

3. No grading shall be started without first notifying the Building Official. A pre-grading meeting at the site is required before the start of the grading with the following people present: Owner, grading contractor, design civil engineer, soils engineer, geologist, County grading inspector(s) or their representatives, and when required the archeologist or other jurisdictional agencies. Permittee or his agent are responsible for arranging pre-grade meeting and must notify the Building Official at least two business days prior to proposed pre-grade meeting.

4. Approval of these plans reflect solely the review of plans in accordance with the County of Los Angeles Building Code and does not reflect any position by the County of Los Angeles or the Department of Public Works regarding the status of any title issues relating to the land on which the improvements may be constructed. Any disputes relating to title are solely a private matter not involving the County of Los Angeles or the Department of Public Works.

5. All grading and construction activities shall comply with County of Los Angeles Code, Title 12, Section 12.12.030 that controls and restricts noise from the use of construction and grading equipment from the hours of 8:00 PM to 6:30 AM, and on Sundays and Holidays. (More restrictive construction activity times may govern, as required by the Department of Regional Planning and should be shown on the grading plans when applicable.)

6. California Public Resources Code (Section 5097.98) and Health and Safety Code (Section 7050.5) address the discovery and disposition of human remains. In the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, the law requires that grading immediately stops and no further excavation or disturbance of the site, or any nearby area where human remains may be located, occur until the following measures has been taken:

a. The County Coroner has been informed and has determined that no investigation of the cause of death is required, and

b. If the remains are of Native American origin, the descendants from the deceased Native Americans have made a recommendation for the means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods.

7. The location and protection of all utilities is the responsibility of the permittee.

8. All export of material from the site must go to a permitted site approved by the Building Official, or a legal dump site. Receipts for acceptance of excess material by a dumpsite are required and must be provided to the Building Official upon request.

9. A copy of the grading permit and approved grading plans must be in the possession of a responsible person and available at the site at all times.

10. Site boundaries, easements, drainage devices, and restricted use areas shall be located per construction staking by Field Engineer or licensed surveyor. Prior to grading, as requested by the Building Official, all property lines, easements, and restricted use areas shall be staked.

11. No grading or construction shall occur within the protected zone of any oak tree as required per Title Chapter 22.56 of the County of Los Angeles Zoning Code. The protected zone shall mean that area within the drip line of an oak tree extending there from a point at least five feet outside the drip line, or 15 feet from the trunk(s) of a tree, whichever is greater.

If an oak tree permit is obtained: (Add the following note)

All grading and construction within the protected zone of all oak trees shall be per oak tree permit no. _____. All recommendations in the permit and associated oak tree report must be compiled with (and are a part of) the grading plan. A copy of the oak tree permit and associated reports shall be maintained in the possession of a responsible person and available at the site at all times.

12. The standard retaining wall details shown on the grading plans are for reference only. Standard retaining walls are not checked under, permitted, or inspected per the grading permit. A separate retaining wall permit is required for all standard retaining walls. Note: This note only applies to standard retaining walls. Geogrid fabric and segmental retaining walls do not require a separate retaining wall permit. Details and construction notes for all Geogrid walls must be on the grading plan.

13. A preventive program to protect the slopes from potential damage from burrowing rodents is required per Section J101.8 of the County of Los Angeles Building Code.. Owner to inspect slopes periodically for evidence of burrowing rodents and a first evidence of their existence shall employ an exterminator for their removal.

14. If grading authorized by this plan is to extend through the rainy season, November 1 through April 15 of the following year, separate updated plans for erosion control must be submitted prior to October per Section J111.13 of the County of Los Angeles Building Code.

15. Transfer if responsibility: if civil engineer, the soils engineer, or the engineering geologist of record is changed during grading, the work shall be stopped until the replacement has agreed in writing to accept their responsibility within the area of technical competence for approval upon completion of the work. It shall be the duty of the permittee to notify the building official in writing of such change prior to the recommencement of such grading.

INSPECTION NOTES:
16. The permittee, or his agent, shall notify the Building Official at least one working day in advance of required inspections at following stages of the work. (Section J105.7 of the Building Code.)

(a) Pre-grade - Before the start of any earth disturbing activity or construction.
(b) Initial - When the site has been cleared of vegetation and unapproved fill has been scarified, benched, or otherwise prepared for fill. Fill shall not have been placed prior to this inspection. Note: Prior to any construction activities (including grading) all storm water pollution prevention measures, including erosion control devices that contain sediments, must be installed.
(c) Rough. When approximate final elevations have been established; drainage terraces, swales and berms installed at the top of the slope; and the statements required in this Section have been received.
(d) Final. When grading has been completed; all drainage devices installed; slope planting established; irrigation systems installed; and the As-Built plans, required statements, and reports have been submitted and approved.

17. In addition to the inspection required of the Building Official for regular grading, reports and statements shall be submitted to the Building Official in accordance with Sections J105 of the County of Los Angeles Building Code.

18. Unless otherwise directed by the Building Official, the Field Engineer for all engineered grading projects shall prepare routine inspection reports as required under Section J105.11 of the County of Los Angeles Building Code. These reports, known as "Report of Grading Activities", shall be submitted to the Building Official as follows:

1. Bi-weekly during all times when grading exceeds 400 cubic yards or more per week is occurring on the site;
2. Monthly, at all other times; and
3. at any time when requested in writing by the Building Official.

19. All graded sites must have drainage swales, berms, and other drainage devices prior to rough grading approval, per Section J105.7 of the County of Los Angeles Building Code.

20. The grading contractor shall submit the statement to the grading inspector as required by Section J105.12 of the County of Los Angeles Building Code at the completion of rough grading.

21. Final grading must be approved before occupancy of buildings will be allowed, per Section J105 of the County of Los Angeles Building Code.

DRAINAGE NOTES:
22. Roof drainage must be diverted from graded slopes.

23. Provisions shall be made for contributory drainage at all times.

24. All construction and grading within a storm drain easement are to be done per Private Drain PD No. _____ or miscellaneous Transfer Drain MTD No. _____.

25. All storm drain work is to be done under continuous inspection by the Field Engineer. Status reports required under note 18 Section J105.11 of the County of Los Angeles Building Code shall include inspection information and reports on the storm drain installation.

AGENCY NOTES (ADD - APPLICABLE NOTES)
26. An encroachment permit from (County of Los Angeles Department of Public Works) (Caltrans) (City of _____) is required for all work within or affecting road right of way. All work within Road right of way shall conform to (County of Los Angeles Department of Public Works) (Caltrans) (City of _____) encroachment permit.

27. An encroachment permit/connection permit is required from the County of Los Angeles Flood Control District for all work within the County of Los Angeles Flood Control District Right of Way. All work shall conform with conditions set by the Permit.

28. Permission to operate in Fire Zone 4 must be obtained from the Fire Prevention Bureau or the local Fire Station prior to commencing work.

29. All work within the streambed and areas outlined on grading plans shall conform to:

Army Corp 404 Permit Number _____.

California Fish & Game Permit No. LAKE OR STREAMBED ALTERATION NO 1600-2011-0237-R5.

30. All construction/demollition, grading, and storage of bulk materials must comply with the local AQMD rule 403 for Fugitive Dust. Information on rule 403 is available at AQMD's website http://www.avaqmd.com.

GENERAL GEOTECHNICAL NOTES:
31. All work must be in compliance with the recommendations included in the Geotechnical consultant's report(s) and the approved grading plans and specifications.

32. Grading operations must be conducted under periodic inspections by the geotechnical consultants with monthly inspection reports to be submitted to the Geology and Soils Section. (900 S. Fremont, Alhambra CA 91803 - 3rd floor)

33. The Soils Engineer shall provide sufficient inspections during the preparation of the natural ground and the placement and compaction of the fill to be satisfied that the work is being performed in accordance with the plan and applicable Code requirements.

34. Rough grading must be approved by a final engineer geology and soils engineering report. An as-built Geologic Map must be included in the final geology report. Provide a final report statement that verifies work was done in accordance with report recommendations and code provisions (Section J105.12 of the County of Los Angeles Building Code). The final report(s) must be submitted to the Geotechnical and Materials Engineering Division for review and approval.

35. Foundation, wall, and pool excavations must be inspected and approved by the consulting geologist and soil engineer, prior to the placing of steel or concrete.

36. Building pads located in cut/fill transition areas shall be over-excavated a minimum of three (3) feet below the proposed bottom of footing.

FILL NOTES:
37. All fill shall be compacted to the following minimum relative compaction criteria:

a. 90 percent of maximum dry density within 40 feet below finish grade.

b. 93 percent of maximum dry density deeper than 40 feet below finish grade, unless a lower relative compaction (not less than 90 percent of maximum dry density) is justified by the geotechnical engineer. The relative compaction shall be determined by A.S.T.M. soil compaction test D1557-91 where applicable. Where not applicable, a test acceptable to the Building Official shall be used. (Section J107.5 of the County of Los Angeles Building Code)

38. Field density shall be determined by a method acceptable to the Building Official. (Section J107.5 of the County of Los Angeles Building Code) However, not less than 10% of the required density test, uniformly distributed, shall be obtained by the Sand Cone Method.

39. Sufficient tests of the fill soils shall be made to determine the relative compaction of the fill in accordance with the following minimum guidelines:

a. One test for each two-foot vertical lift.

b. One test for each 1,000 cubic yards of material placed.

c. One test at the location of the final fill slope for each building site (lot) in each four-foot vertical lift or position thereof.

d. One test in the vicinity of each building pad for each four-foot vertical lift or portion thereof.

40. Sufficient tests of fill soils shall be made to verify that the soil properties comply with the design requirements, as determined by the Soils Engineer including soil types, shear strengths parameters, and corresponding unit weights in accordance with the following guidelines:

a. Prior and subsequent to placement of the fill, shear tests shall be taken on each type of soil, or soil mixture, to be used for all fill slopes steeper than three (3) horizontal to one vertical.

b. Shear test results for the proposed fill material must meet, or exceed, the design values used in the geotechnical report to determine slope stability requirements. Otherwise, the slope must be reevaluated using the actual sheet test value of the fill material that is in place.

c. Fill soils shall be free of deleterious materials.

41. Fill shall not be placed until stripping of vegetation, removal of unsuitable soils, and installation of subdrain (if any) have been inspected and approved by the Soil Engineer. The Building Official may require a "Standard Test Method for moisture, ash, organic matter, peat, or other organic soils" ASTM D-2974-87 on any suspect material. Detrimental amounts of organic material shall not be permitted in fills. Soil containing small amounts of roots may be allowed provided that the roots are in a quantity and distributed in a manner that will not be detrimental to the future use of the site, and the soils engineer approves the use of such material.

42. Rock, or similar material greater than 12 inches in diameter, shall not be placed in the fill unless recommendations for such placement have been submitted by the Soil Engineer and approved in advance by the Building Official. Location, extent, and elevation of rock disposal areas must be shown on as "As-Built" grading plan.

43. Continuous inspection by the Soil Engineer, or a responsible representative, shall be provided during all fill placement and compaction operations where fills have a depth greater than 30 feet or slope surface steeper than 2:1, (Section J107.8 of the County of Los Angeles Building Code).

42. Continuous inspection by the Soil Engineer, or a responsible representative, shall be provided during all subdrain installations. (Section 3313.2 of the County of Los Angeles Building Code).

44. All subdrain outlets are to be surveyed for line and elevation. Subdrain information must be shown on an "As-Built" grading plan.

45. Fill slopes in excess of 2:1 steepness ratio are to be constructed by the placement of soil at sufficient distance beyond the proposed finish slope to allow compaction equipment to be operated at the outer limits of the final slope surface. The excess fill is to be removed prior to completion of rough grading. Other construction procedures may be used when it is demonstrated to the satisfaction of the Building Official that the angle of slope, construction method, and other factors will have equivalent effect. (Section J107.5 of the County of Los Angeles Building Code)

PLANTING AND IRRIGATION NOTES:
47. Planting and irrigation on graded slopes must comply with the following minimum guidelines:

a. The surface of all cut slopes more than 5 feet in height and fill slopes more than 3 feet in height shall be protected against damage by erosion by planting with grass or groundcover plants. Slopes exceeding 15 feet in vertical height shall also be planted with schrubs, spaced at not to exceed 10 feet on centers; or trees, spaced at not to exceed 20 feet on centers, or a combination of scrubs and trees at equivalent spacing, in addition to the grass or groundcover plants. The plants selected and planting methods used shall be suitable for the soil and climatic conditions of the site. Plant material shall be selected which will produce a coverage of permanent planting effectively controlling erosion. Consideration shall be given to deep-rooted planting material needing limited watering, maintenance, high root to shoot ratio, wind susceptibility and fire-retardant characteristics. All plant materials must be approved by the building official. Section J110.3 of the County of Los Angeles Building Code).

NOTE: Planting need not be provided for cut slopes rocky in character and not subject to damage by erosion and any slopes protected against erosion damage by other methods when such methods have been specifically recommended by a soil engineer, engineering geologist, or equivalent authority and found to offer erosion protection equal to that provided by the planting specified above.

b. Slopes required to be planted by Section J110.3 shall be provided with an approved system of irrigation that is designed to cover all portions of the slope. Irrigation system shall be submitted and approved prior to installation. A functional test of the system may be required. For slopes less than 20 feet in vertical height, hose bibs to permit hand watering will be acceptable if such hose bibs are installed at conveniently accessible locations where a hose no longer than 50 feet is necessary for irrigation. the requirement for permanent irrigation systems may be modified upon specific recommendations of a landscape architect or equivalent authority that, because of the type of plants selected, The planting methods used and the soil and climatic conditions at the site, irrigation will not be necessary for the maintenance of the slope planting. (Section J110.4 of the County of Los Angeles Building Code).

c. Other governmental agencies may have additional requirements for landscaping and irrigation. It is the responsibility of the applicant to coordinate with other agencies to meet their requirements while maintaining compliance with the County of Los Angeles Building Code.

48. The planting and irrigation systems shall be installed as soon as practical after rough grading. Prior to final grading approval all required slope planting must be well established. (Section J110.7 of the County of Los Angeles Building code).

49. Landscape irrigation system shall be designed and maintained to prevent spray on structures (Title 31, Section 5.407.2.1)

50. Prior to rough grade approval this project requires a landscape permit. Landscape plans in compliance with the "Model Water Efficient Landscape Ordinance" Title 23, Chapter 2.7 of California Code of regulations (AB 1881) must be submitted to the Department of Public Works, Land Development Division (900 S. Freemont Ave, Alhambra - 3rd Floor, CA 91803 (626) 458-4921). To Obtain Landscape permit approved plans a Water Purveyor Acknowledgement form must be submitted to the local Building & Safety office.

BEST MANAGEMENT PRACICE NOTES:
1. Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.

2. Eroded sediments and other pollutants must be retained on-site and may be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.

3. Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.

4. Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.

5. Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on-site until they can be disposed of as solid waste.

6. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.

7. Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.

8. Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

9. As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print name_____
(Owner or authorized agent of the owner)

Signature_____ Date_____
(Owner or authorized agent of the owner)

The following BMPs as outlined in, but not limited to, the California Stormwater Best Management Practice Handbook, January 2003, or the latest revised edition, may apply during the construction of this project (additional measures may be required if deemed appropriate by the Project Engineer of the Building Official:

EROSION CONTROL:
EC1 - SCHEDULING
EC2 - PRESERVATION OF EXISTING VEGETATION
EC3 - HYDRAULIC MULCHING
EC4 - HYDROSEEDING
EC5 - SOIL BINDERS
EC6 - STRAW MULCH
EC7 - GEOTEXTILES & MATS
EC8 - WOOD MULCH
EC9 - EARTH DIKES AND DRAINAGE SWALES
EC10 - VELOCITY DISSIPATION DEVICES
EC11 - SLOPE DRAINS
EC12 - STREAMBANK STABILIZATION
EC13 - RESERVED
EC14 - COMPOST BLANKETS
EC15 - SOIL PREPARATION\ROUGHENING
EC16 - NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL:
SE1 - SILT FENCE
SE2 - SEDIMENT BASIN
SE3 - SEDIMENT TRAP
SE4 - CHECK DAMS
SE5 - FIBER ROLLS
SE6 - GRAVEL BAG BERM
SE7 - STREET SWEEPING AND VACUUMING
SE8 - SANDBAG BARRIER
SE9 - STRAW BALE BARRIER
SE10 - STORM DRAIN INLET PROTECTION
SE11 - ACTIVE TREATMENT SYSTEMS
SE12 - TEMPORARY SILT DIKE
SE13 - COMPOST SOCKS & BERMS
SE14 - BIOFILTER BAGS

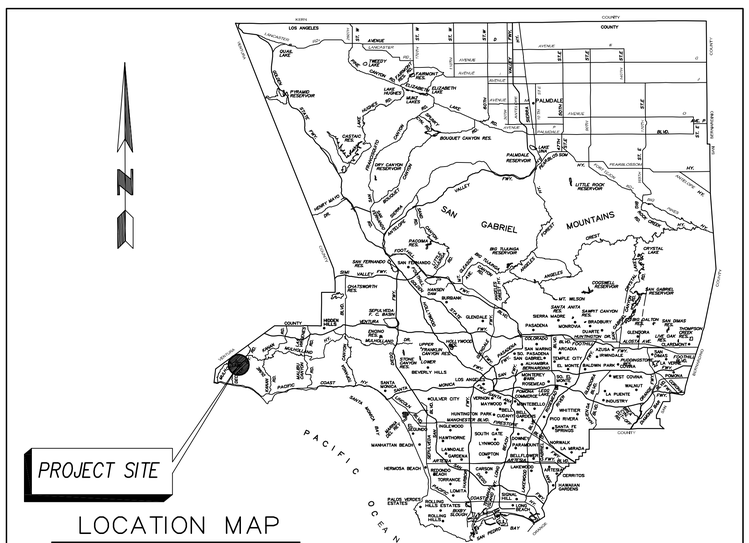
WIND EROSION CONTROL:
WE1 - WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL:
TC1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT:
NS1 - WATER CONSERVATION PRACTICES
NS2 - DEWATERING OPERATIONS
NS3 - PAVING AND GRINDING OPERATIONS
NS4 - TEMPORARY STREAM CROSSING
NS5 - CLEAR WATER DIVERSION
NS6 - ILLICIT CONNECTION/DISCHARGE
NS7 - POTABLE WATER/IRRIGATION
NS8 - VEHICLE AND EQUIPMENT CLEANING
NS9 - VEHICLE AND EQUIPMENT FUELING
NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
NS11 - PILE DRIVING OPERATIONS
NS12 - CONCRETE CURING
NS13 - CONCRETE FINISHING
NS14 - MATERIAL AND EQUIPMENT USE
NS15 - DEMOLITION ADJACENT TO WATER
NS16 - TEMPORARY BATCH PLANTS

WASTER MANAGEMENT & MATERIAL POLLUTION CONTROL
WM1 - MATERIAL DELIVERY AND STORAGE
WM2 - MATERIAL USE
WM3 - STOCKPILE MANAGEMENT
WM4 - SPILL PREVENTION AND CONTROL
WM5 - SOLID WASTE MANAGEMENT
WM6 - HAZARDOUS WASTE MANAGEMENT
WM7 - CONTAMINATION SOIL MANAGEMENT
WM8 - CONCRETE WASTE MANAGEMENT
WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
WM10 - LIQUID WASTE MANAGEMENT

BENCHMARK:
LA COUNTY BENCHMARK NO. Y 5498
ELEVATION=1550.668' (NAVD 88)



LOCATION MAP
N.T.S.

FORMA ENGINEERING INC.
10814 Reseda Boulevard, Northridge, CA 91326
Phone: (818) 832-1710 Fax: (818) 832-1740

REGISTERED PROFESSIONAL ENGINEER
WILLIAM MICHAEL WHITE
No. 62111
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
WILLIAM M. WHITE, P.E. R.C.E. 62111 DATE 9-2-2014

PROJECT
33528 MULLHOLLAND HWY
MALIBU, CA 90265

SHEET TITLE
ROUGH GRADING PLAN
COVER PAGE

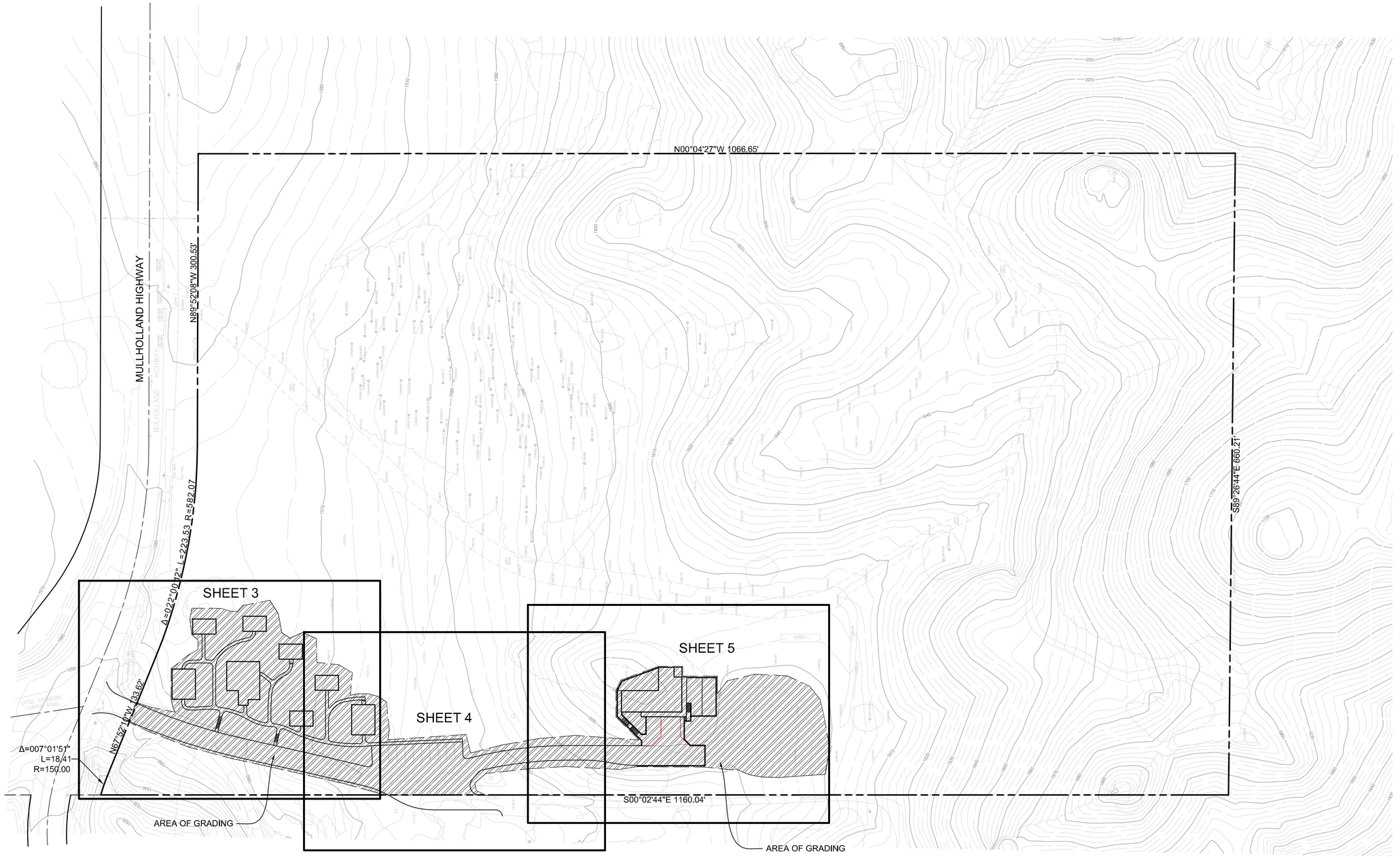
ISSUE

PHASE
County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	_____
PLOT DATE	02/12/2015
DRAWN BY:	CK
CHECKED BY:	MW

SHEET 1 of 6

C-1



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PREPARED UNDER THE SUPERVISION OF:

WILLIAM M. WHITE, P.E. R.C.E. 62111 DATE 9-2-2014

PROJECT

33528 MULLHOLLAND HWY
MALIBU, CA 90265

SHEET TITLE

ROUGH GRADING PLAN

SITE PLAN

ISSUE

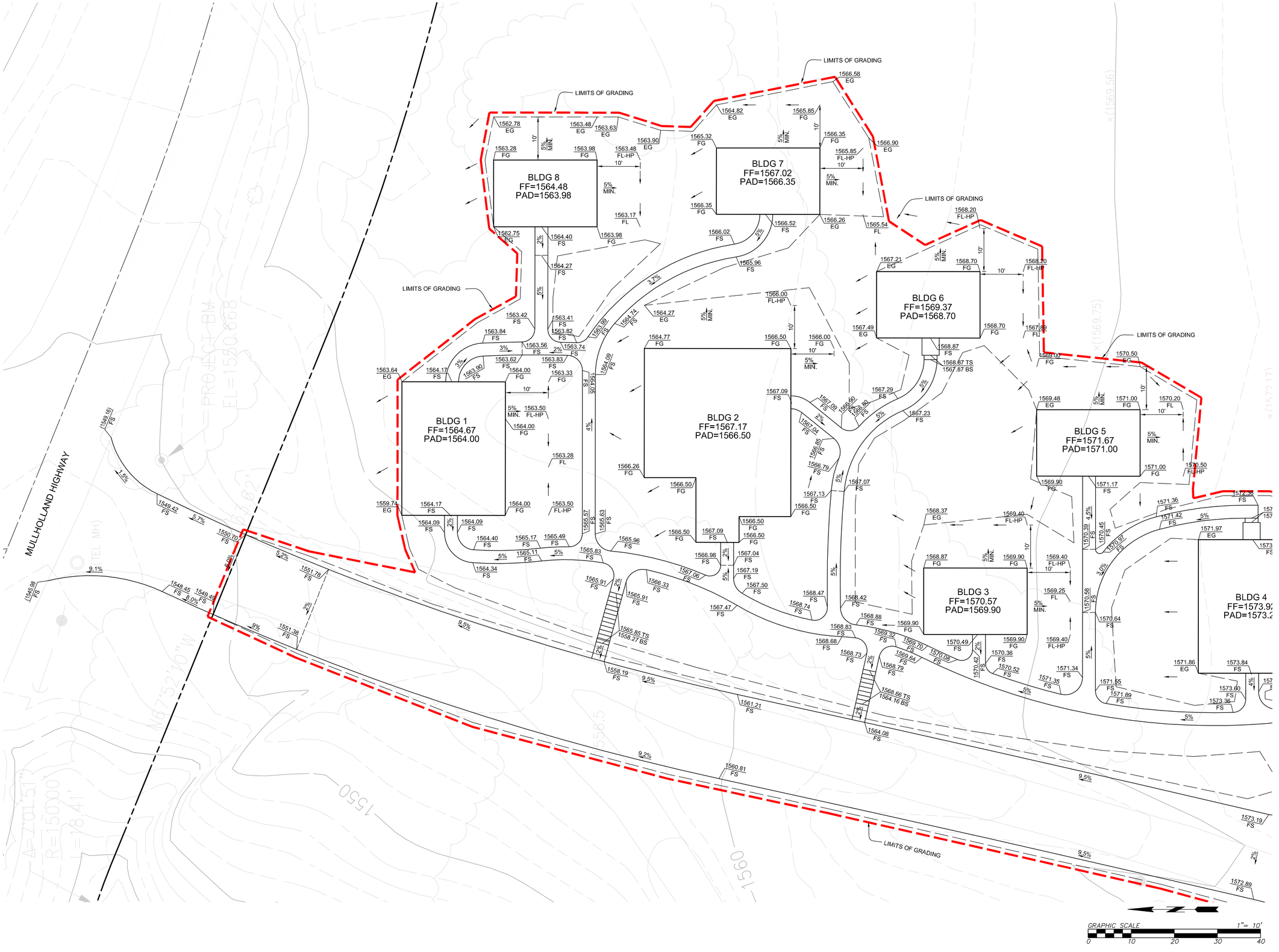
PHASE

County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	
PLOT DATE	02/12/2015
DRAWN BY:	CK
CHECKED BY:	MW

SHEET 2 of 5

C-2



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PROJECT

33528 MULLHOLLAND HWY
MALIBU, CA 90265

SHEET TITLE

ROUGH GRADING PLAN

ISSUE

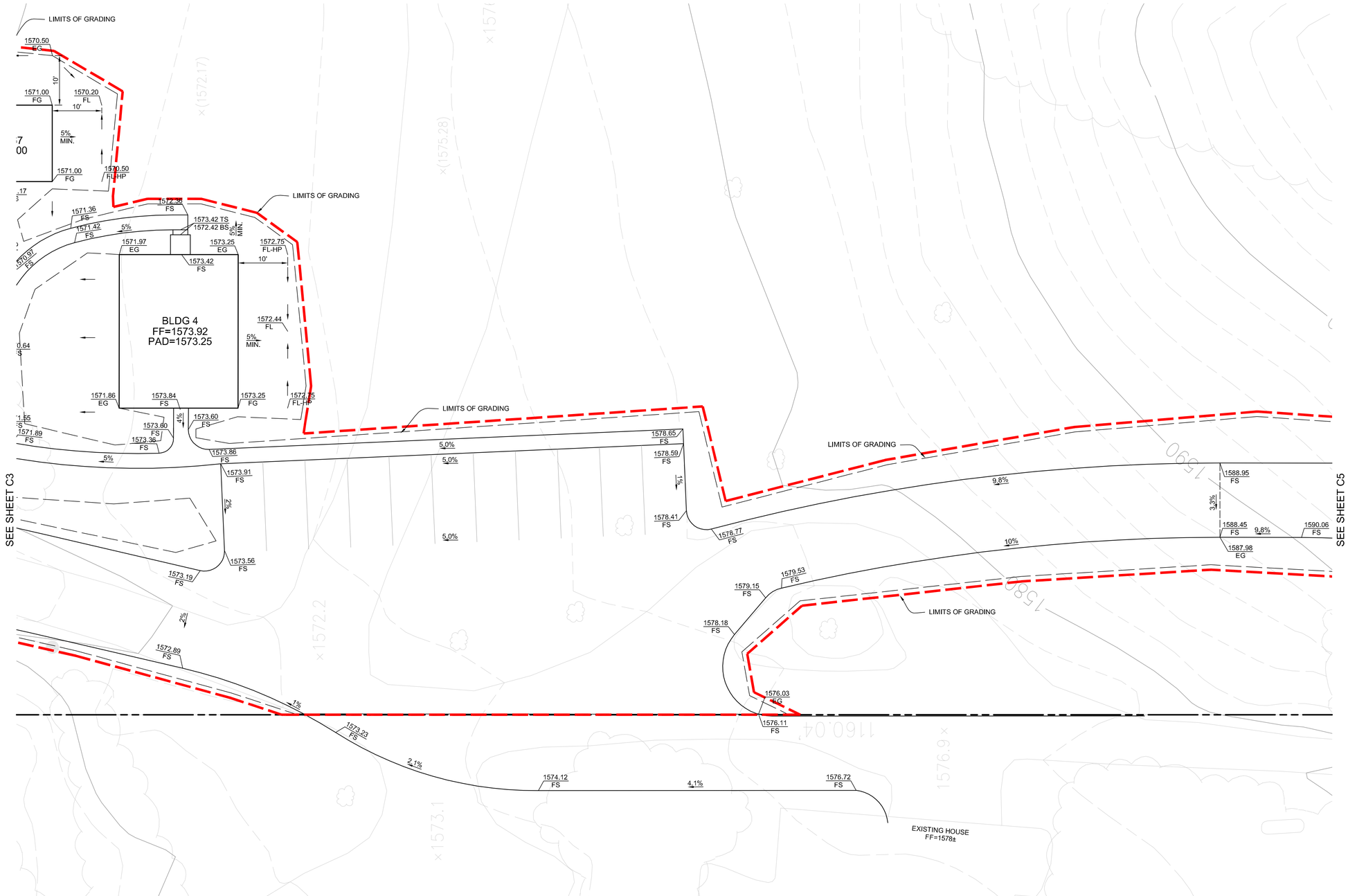
PHASE

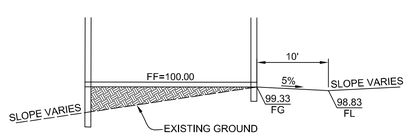
County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	
PLOT DATE	02/12/2015
DRAWN BY:	CK
CHECKED BY:	MW

SHEET 3 of 6

C-3





TYPICAL SECTION THROUGH BUILDING

SCALE: 1"=10'

GRAPHIC SCALE 1" = 10'

0 10 20 30 40

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WILLIAM M. WHITE, P.E. R.C.E. 62111 DATE 9-2-2014

PROJECT

33528 MULLHOLLAND HWY
MALIBU, CA 90265

SHEET TITLE

ROUGH GRADING PLAN

ISSUE

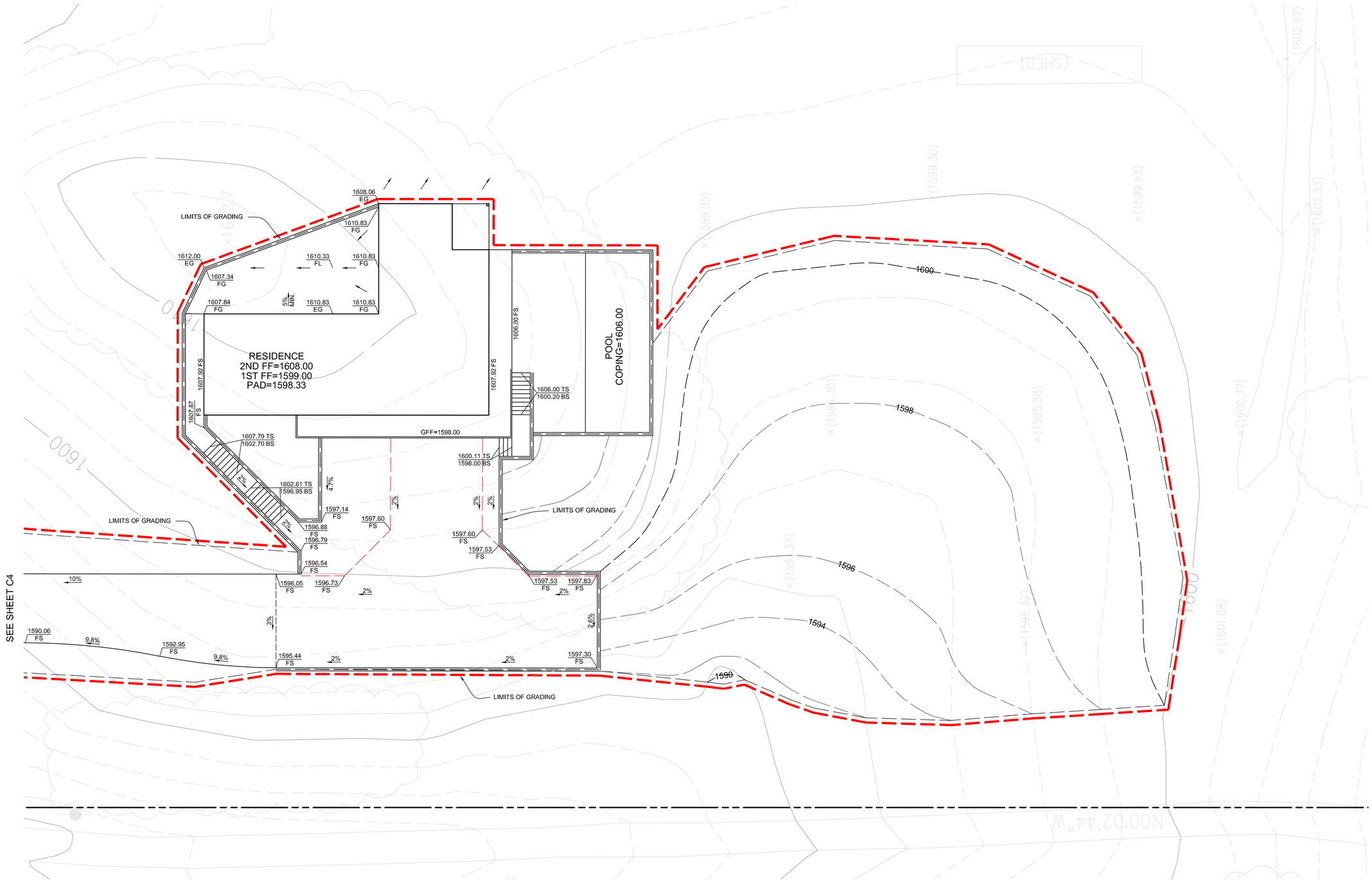
PHASE

County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	_____
PLOT DATE	02/12/2015
DRAWN BY:	CK
CHECKED BY:	MW

SHEET 4 of 6

C-4



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PROJECT

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MALIBU, CA 90265

SHEET TITLE

ROUGH GRADING PLAN

ISSUE

PHASE

County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	
PLOT DATE	02/12/2015
DRAWN BY:	CK
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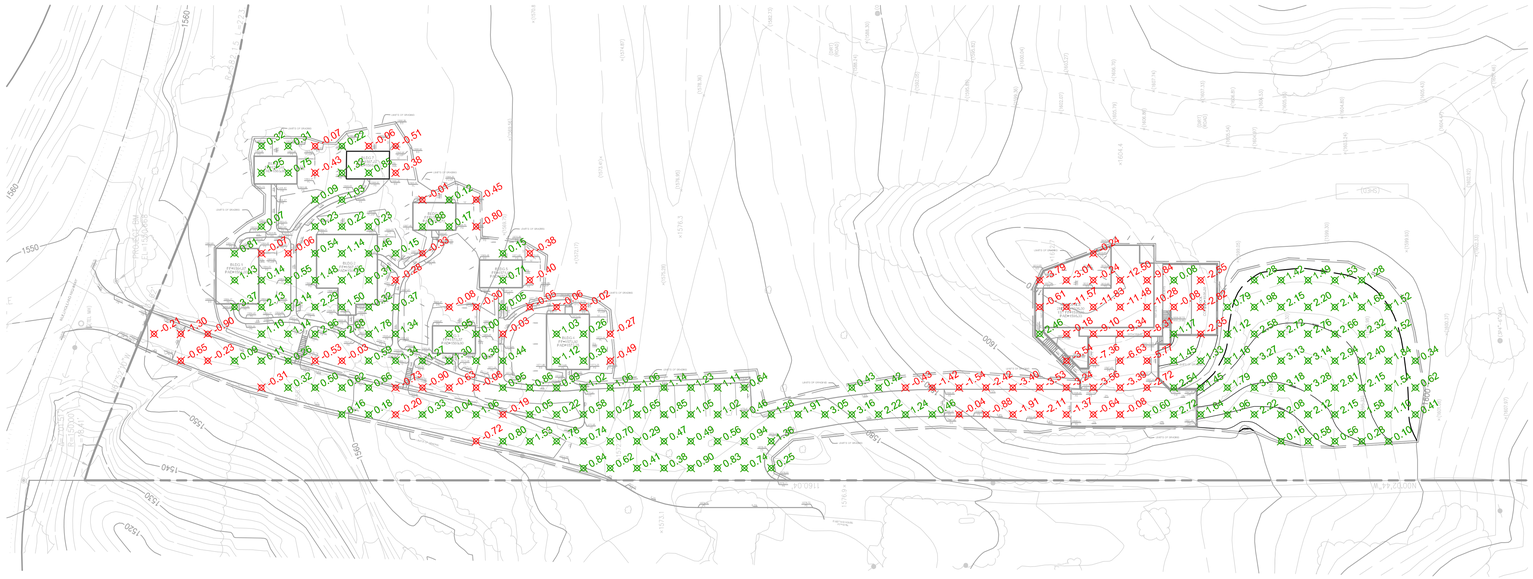
SHEET 5 of 6

C-5



EARTHWORK QUANTITIES
RAW CUT: 1,482 CY
RAW FILL: 1,707 CY
FOOTING SPOILS: 225 CY
IMPORT/EXPORT: 0 CY

LEGEND
-0.05 DEPTH OF CUT
0.06 DEPTH OF FILL

GRAPHIC SCALE 1"=40'
0 40 80 120 160

FORMA ENGINEERING INC.
10814 Reseda Boulevard, Northridge, CA 91326
Phone: (818) 832-1710 Fax: (818) 832-1740

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM MICHAEL WHITE
No. 62111
CIVIL
STATE OF CALIFORNIA

WILLIAM M. WHITE, P.E. R.C.E. 62111 DATE 9-2-2014

PROJECT

33528 MULLHOLLAND HWY
MALIBU, CA 90265

SHEET TITLE

ROUGH GRADING PLAN

EARTHWORK QUANTITIES

ISSUE

PHASE

County Submittal Package

SCALE	AS SHOWN
ORIGIN DATE	_____
PLOT DATE	02/12/2015
DRAWN BY:	CK
CHECKED BY:	MW

SHEET 6 of 6

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